

TABLE OF CONTENTS

Highlights

- Energy 2003 is August 17-20 in Orlando.
- FEMP's DER Workshop is May 12-13 in Los Angeles.
- The House and the Senate have both made progress on FY 2003 Appropriations Bills.
- The Energy Information Administration report focuses on oil trends.
- The Department of Energy is implementing a new paperless managing system.

DOE BULLETIN BOARD

Did You Know?

CONGRESSIONAL ACTIVITIES

Status of Pending Authorization Bills of Interest to FEMP

New Legislative Initiatives of Interest to FEMP

Status of Pending Appropriation Bills of Interest to FEMP

Hearings of Interest to FEMP

FEDERAL AGENCY ACTIVITIES

Federal Energy Regulatory Commission (FERC)

Atlanta Region

Department of Defense

Boston Region

Department of Energy

Chicago Region

General Services Administration

Denver Region

White House

Philadelphia Region

Seattle Region

STATE AND LOCAL GOVERNMENT ACTIVITIES

Atlanta Region

Denver Region

Boston Region

Philadelphia Region

Chicago Region

Seattle Region

UTILITIES AND SUPPLIER ACTIVITIES

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

PRIVATE SECTOR

[Atlanta Region](#)

[Denver Region](#)

[Boston Region](#)

[Philadelphia Region](#)

[Chicago Region](#)

[Seattle Region](#)

ALTERNATIVE FUELS AND VEHICLES

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

MEETINGS, CONFERENCES AND TRAINING WORKSHOPS

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

STUDIES, REPORTS, AND ANALYSES

[Energy and Water Conservation](#)

[Alternative Fuels and Vehicles](#)

[Solar and Renewable Energy](#)

[Utility-Related Issues](#)

ATTACHMENTS

[A – Status of FY03 Appropriations Bills](#)

[B – New Legislation of Interest to FEMP](#)

[C – Hearings](#)

[D – Privatization Initiatives](#) - not available in the web version

[E – Federal Agency Building Projects](#) - not available in the web version

[F – New Technologies](#)

[G - Meetings, Conferences, and Other Events](#)

New Legislation of Interest to FEMP – *No news of interest to FEMP.*

Hearings Schedule – *No news of interest to FEMP.*

The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short Term Energy Outlook, Energy Information Administration (EIA), January 2003.

December OPEC production fell to 23.2 million barrels per day, a 1.8 million barrel-per-day decline from November levels. In response, West Texas Intermediate crude oil prices rose by about \$6.00 per barrel from early December to early January.

As EIA watches situations in Venezuela and Iraq unfold, it predicts that average motor gasoline prices will exceed \$1.50 per gallon of regular grade in February. By mid-spring, EIA foresees prices rising an additional four cents per gallon.

U.S. crude oil production is expected to fall by about three percent in 2003 and by an additional two percent in 2004, when Alaska is likely to produce more than 17 percent of the country's oil.

Natural gas prices at the Henry Hub (the largest point for natural gas spot and futures trading in the United States) surpassed \$5.00 per million btu in the second week of December. Lower stocks of natural gas in storage and high world oil prices may mean high natural gas prices through January or February, assuming normal or colder-than-normal weather.

While total natural gas demand declined in 2002 by about 1.7 percent from the previous year's level, growth of 4.7 percent is predicted for 2003, especially if the industrial sector shows significant vitality.

Annual Energy Outlook 2003 With Projections to 2025, Energy Information Administration (EIA), January 2003.

EIA's Annual Energy Outlook predicts that, as the U.S.'s energy consumption increases more quickly than its production, the country will rely more heavily on imported petroleum. EIA expects imports to satisfy 68 percent of U.S. demand in 2025, as compared with 55 percent in 2001, 42 percent in 1990, and 37 percent in 1980. The report foresees growing importance of large-volume natural gas resources and an increase in nuclear generation and capacity.

CONGRESSIONAL ACTIVITIES

STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

- Refer to www.eren.doe.gov/femp/resources/initiatives.html – Legislative Databases

[Back to Table of Contents](#)

STATUS OF PENDING APPROPRIATION BILLS OF INTEREST TO FEMP

H.J. Res. 2 – Omnibus Appropriations Bill – The House passed its version on January 8, and during the week of January 20 the scheduled Senate recess was canceled in order for members to continue to debate the bill and resolve differences between Democratic and Republican priorities. The Senate passed its bill on January 23. *H.J. Res. 2* combines the 11 pending FY 2003 appropriations bills into one package. No schedule has been announced for a conference between the House and Senate to resolve differences between the two chambers' bills. **Senator Ted Stevens (R/AK), Chair of the Committee on Appropriations, does not expect a conference report before the first week of February.**

- Refer to www.eren.doe.gov/femp/resources/initiatives.html – Legislative Databases
- See [Attachment A](#) – FY 2003 Appropriations Chart

[Back to Table of Contents](#)

NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- See [Attachment B](#) – New Legislation of Interest to FEMP

[Back to Table of Contents](#)

HEARINGS OF INTEREST OF FEMP

- See [Attachment C](#) – Hearings of Interest to FEMP

[Back to Table of Contents](#)

DOE BULLETIN BOARD

An overview of this comprehensive report can be accessed at

<http://www.eia.doe.gov/oiaf/aeo/index.html>.

Power Market Today, January 8, 2003.

Power Market Today reports, that according to Edison Electric Institute, domestic electricity demand rose 4.1 percent in 2002. This stands in contrast to a 0.6 percent overall decline in 2001, due principally to a weak economy and mild weather.

Greenwire, January 14, 2003.

Greenwire reports that on January 12, 2003, the Organization of the Petroleum Exporting Countries decided to increase oil production 6.5 percent in order to stabilize oil prices unsteadied by the Venezuelan oil strike and the threat of U.S. military action against Iraq.

DID YOU KNOW?

The American Wind Energy Association (AWEA) predicts that the U.S. windpower market will slow its growth in 2003. Christine Real De Azua, AWEA's international analyst and communications co-ordinator said that "It will be a good year...But a record would have to beat the 1,700 MW new capacity installed in 2001. At the present time I don't think 2003 will be a record year." (Source: *AFX News Limited*, December 30, 2002)

Deputy Secretary of Energy Kyle McSlarrow announced the DOE is implementing a new management system. The Integrated Management Navigation System (I-MANAGE) will ease DOE from paper-based management to web-based management in keeping with President Bush's Management Agenda for Expanding e-Government. **I-MANAGE will integrate financial and cost accounting, travel, payroll, budget preparation, procurement, human resources, facilities management, and research and development into one paperless system.** (Source: DOE Press Release, January 8, 2003)

[Back to Table of Contents](#)

FEDERAL AGENCY ACTIVITIES

See also:

- [Attachment D](#) – Privatization Projects
- [Attachment E](#) – Federal Building Projects

FEDERAL ENERGY REGULATORY COMMISSION (FERC)

The PJM Interconnection, an organization that operates the transmission grid for seven Mid-Atlantic states and the District of Columbia, gained Regional Transmission Organization status on December 17, 2002.

The already-established Midwest Independent System Operator and PJM Interconnection plan to create a seamless market between the two regions by October 2004. (Sources: Reuters, Dow Jones Business News, and EnergyWashington.com, December 18, 2002)

In a speech to the Edison Electric Institute, Federal Energy Regulatory Commission Chairman Pat Wood announced that "The three key elements for a strong and secure energy market are the same in 2003 as they were in 2002 – balanced market rules, adequate infrastructure and vigilant oversight." FERC's 2003 timeline will entail 1.) finalizing western market financial proceedings in the first quarter, 2.) issuing a white paper on a proposed standard market design rule in April to address such issues as who should pay for transmission upgrades, and 3.) assessing whether or not regional transmission groups in the Midwest and Northeast have made progress in implementing a similar approach. Both Western and Southern states have expressed concerns regarding implementation of the rule, arguing that the plan would relinquish state and local authority to Federal officials. (Source: RiskCenter.com, January 14, 2003, and Reuters, January 13, 2003).

FERC Commissioners approved a new draft ruling to encourage transmission owners to join a Regional Transmission Organization (RTO) by December 31, 2003. The ruling would allow utilities an increase in their return on equity by certain percentages if they joined an RTO. Basic point increases are as follows: a

50-point increase for passing on transmission operation to an RTO, a 100-point increase for building new power lines, and a 150-point increase for forming an independent transmission company. A utility could receive benefits through December 31, 2012, if it remained a member of the RTO. (Source: *Greenwire*, January 16, 2003)

In a letter written earlier this month to House Majority Leader Tom DeLay (R/TX), FERC Chairman Pat Wood supported the commission's plan to exert loose rule over a proposed national electric retail transmission system network. The plan has received criticism because independent retail systems have customarily been controlled by the states. Chairman Wood maintained that the details of the standard market design and development of the Regional Transmission Organization, as proposed by FERC, "need not all be prescribed inflexibly by one national rule, and we are looking to RTOs and industry standard-setting processes to design such details." To support his claims, Chairman Wood provided examples of successful power markets that utilize an independently provided transmission service and voluntary markets with locational prices and financial transmission rights. "As more and more people review what has worked and what has not, they tend to agree that this design is required to achieve fair competition," Chairman Wood said.

[Back to Table of Contents](#)

DEPARTMENT OF DEFENSE

The Defense Advanced Research Projects Agency (DARPA) has announced a solicitation to support the development and demonstration of novel, high-efficiency Direct Thermal to Electric Conversion (DTEC) technologies. DARPA is seeking proposals that focus on revolutionary advancements in DTEC state-of-the-art technologies to reduce the disparity between Carnot and achievable conversion efficiencies. The overall goal of this initiative is to examine the potential for achieving greater than 20 percent thermal-to-electric conversion efficiencies at power densities that exceed two W/cm² at hot-side operating temperatures greater than 1,000 degree C. To obtain additional information on Solicitation Number BAA03-04, contact Valerie Browning at 703-696-2314.

DEPARTMENT OF ENERGY

The National Energy Technology Laboratory (NETL) plans to issue a solicitation under the DOE Climate Change Fuel Cell Buy-Down Program for the Department of Defense. The program involves the award of grants to help finance fuel cell demonstration projects at power plants. NETL's intent is to select qualified projects, which do not exceed the lower of \$1,000/kW or one-third of the total cost of a project; costs include unit cost, installation, and one year of operation. NETL plans to award grants in September 2003, and responses to the solicitation are due by June 1, 2003. To obtain additional information on the initiative, contact Raymond Jarr at 304-285-4088.

On January 27, DOE published its determination regarding certification programs for the Federal electric motor efficiency program in the *Federal Register*. In response to separate petitions submitted to DOE, the agency issued separate official determinations classifying CSA International's Motor Efficiency Verification Service Program and Underwriter Laboratories' Energy Verification Program as nationally recognized certification programs for the motor efficiency programs. For further information, contact James Raba at 202-586-8654.

On January 13, the Department announced the agency's intent to solicit proposals to support the development of cost-effective, small wind turbines in the range of 100 kW or less for low-speed distributed power applications. The purpose of this initiative is to 1) determine the level of interest in such projects for residential and small business applications and 2) to obtain cost-shared proposals. Three types of projects will be funded, which includes conceptual design studies, component development, and prototype turbine development. DOE funding would be in the form of grants and cooperative agreements. Responses of interest were due to the Golden Field Office by January 24. For a copy of the solicitation consult the field office web site at www.golden.doe.gov/businessopportunities.html. DOE expects to issue the solicitation in mid-February.

[Back to Table of Contents](#)

GENERAL SERVICES ADMINISTRATION

On January 21, GSA issued a “Notice of Bulletin” regarding the location of Federal facilities in rural areas. The bulletin is intended to provide agencies with statutory authority to acquire real property with additional guidance on developing policies and procedures for assigning “first priority” to the location of facilities in rural areas. The *Rural Development Act of 1972* was enacted to revitalize and develop rural areas and assist in fostering a balance between rural and urban America. The new guidance directs each agency with statutory authority to include a written statement in its files that the agency has given first priority to the location of facilities in rural areas. For further information, contact Stanley Langfeld at 202-501-1737.

WHITE HOUSE

President’s State of the Union Address – The President will make his annual State of the Union Address on Tuesday evening, January 28. Although details have not been released, it is believed that his remarks will include his national energy policy. **Hydrogen (e.g., fuel cells) has emerged as a high priority for the Administration, and the President may include this initiative in his speech to Congress.**

ATLANTA REGION

► *General Energy Conservation/Building Construction/Retrofit Projects*

The Army is conducting a market survey to identify potential sources for the installation of direct digital controls at Redstone Arsenal in Alabama. For additional information, contact Sonya White at 251-441-5582 and refer to Solicitation Number REVE01-03-0001.

[Back to Table of Contents](#)

BOSTON REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

CHICAGO REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

DENVER REGION

► *Utility/DSM Activities*

The Army is seeking a provider of natural gas for the Dugway Proving Ground in Utah. A contract will be awarded for the transportation and distribution of gas via a pipeline into each building at the Proving Ground site. Current heating demands total one million gallons of fuel oil and 500,000 gallons of propane. Contact Eric Vokt at 435-831-2107 for more information on Solicitation Number DABJ19-03-R-0006.

Warren Air Force Base in Wyoming plans to acquire uninterrupted electrical service in addition to electricity currently supplied by the Western Area Power Administration’s (WAPA) fixed allocation. The base requires 2,000 to 6,000 MWh per month, and the supplier will be required to enter WAPA’s grid. In addition, **the military base requires that a percentage of the power should be green power.**

For more information, contact Michael Beck at 307-773-5751, and refer to Solicitation Number F48608-02-R0015.

[Back to Table of Contents](#)

PHILADELPHIA REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

SEATTLE REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

STATE AND LOCAL GOVERNMENT ACTIVITIES

ATLANTA REGION

► *Status of Utility-Related Activities*

The South Carolina Public Service Commission will soon decide whether or not to adjust South Carolina Electric and Gas's fuel charge and base rate. The base rate changes infrequently; SCE&G's rate last changed in 1996. The fuel charge changes annually. The commission will decide by April 23 whether to adjust the utility's fuel charge, and will decide by January 21 whether to adjust the base rate. Small businesses and consumers expressed opposition to the base rate increase at hearings held in November. (Source: *The State*, December 28, 2002)

[Back to Table of Contents](#)

BOSTON REGION

► *General State Activities*

New York Governor George Pataki (R) has proposed that the New York Public Service Commission implement a Renewable Portfolio Standard that will stimulate 25 percent renewable energy resource use within the next 10 years. Currently, renewables supply 17 percent of power in New York; new renewable energy increases will be in the form of wind and biomass. In addition to gaining the health benefits of utilizing cleaner burning fuels, the initiative will result in \$300 million dollars per year in income for farmers and communities near wind power generators. American Wind Energy Association Executive Director Randall Swisher said of the program, "Governor Pataki's enlightened and forward-looking decision places New York solidly ahead on the path toward a clean and secure energy future.... The very achievable goal set by the governor will spur the development of wind power, a power source that is abundant in New York." (Source: Environment News Service, January 9, 2003)

Concerned energy users in Long Island and New York City have published a draft Citizens Energy Plan that provides recommendations regarding energy initiatives and the use of renewable resources. The plan asks that at least 10 percent of Long Island's electricity be produced by renewable

sources by 2010 and that over the next five years the Long Island Power Authority double its clean energy budget. To view the plan, visit www.seali.org.

► *Status of Utility-Related Activities*

ISO New England, which operates the electric grid for six New England states, reports that power providers in the region will have adequate supply for the rest of the winter, despite forecasting record demand. If constraints do occur, they will most likely be in Boston and southwest Connecticut. Last winter, peak demand reached 19,872 MW; this year's peak will reach 21,800 MW. (Source: Reuters, December 19, 2002)

Because alternative energy suppliers in the State of Maine have lost money by selling energy below the standard offer price for customers, **the Maine Public Utilities Commission (PUC) has recommended that the standard offer service, established when the state restructured its electricity market in 2000, be extended beyond the 2005 deadline.** Almost 90 percent of households have elected to stay with the standard offer service. A consulting firm hired by the PUC published the results of a survey stating that 70 percent of Maine's electric customers preferred paying a low standard offer price rather than shopping around for alternative suppliers. The state legislature is expected to take up this matter during its next session in 2003. (Sources: *Bangor Daily News* and *Restructuring Today*, December 5, 2002)

Two task forces in the State of Connecticut have issued recommendations to improve electric transmission throughout the state. Their recommendations may result in the development of a Connecticut Energy Coordinating Authority to support transmission planning, the development of a state energy plan, modifying Connecticut Siting Council guidelines, and giving preference to energy projects with minimal environmental impact. (Source: *Hartford Courant*, December 31, 2002)

[Back to Table of Contents](#)

CHICAGO REGION

► *Status of Utility-Related Activities*

The Iowa Utilities Board has commissioned a cost study for replacing segments of the state's electric grid. The idea stemmed from concerns that "competition-induced cost-cutting may adversely affect reliability of the delivery system and quality of service" to Iowa electric customers. (Source: *EnergyWashington.com*)

The Indiana Utility Regulatory Commission will consider a petition filed by PSI Energy to increase electric rates in 2004. PSI Energy claims that the rate increases would pay for major construction projects to fulfill environmental responsibilities, increase reliability, and fulfill increased electric demands by customers. The proposed three percent rate increase is legal through a state law that permits bill adjustments for the construction of pre-approved environmental projects. This would be the first base rate increase for the utility since 1996. (Source: *BusinessWire*, December 30, 2002)

[Back to Table of Contents](#)

DENVER REGION

► *Status of Utility-Related Activities*

Effective July 1, 2003, utilities in New Mexico will be subject to regulations requiring them to obtain five percent of their electricity from renewable sources by 2006 and 10 percent by 2011. In addition, the ruling requires that utilities develop consumer education programs to publicize the benefits of renewable energy. The New Mexico Public Regulation Commission approved the ruling on December 17, 2002. (Source: *Albuquerque Journal*, December 18, 2002)

The City of Grand Prairie, Texas, may approve a plan as early as next month that would require all homes and businesses to install Automated Meter-Reading devices (AMRs). AMRs allow for more efficient and accurate meter reading. Commercial properties are already required to replace their AMRs. A combination of the automated meter reading technology and more accurate new meters citywide could generate as much as \$500,000 annually in additional revenue. (Source: *The Dallas Morning News*, December 29, 2003)

The Planning Commission in Butler County, Kansas, initially approved a proposal by Kansas Wind Power LLC and Padoma Wind Power to build a 6,000 acre wind farm. The proposal is up for final approval by the Butler County Commission at the end of January. The project would be comprised of 50-80 turbines that would power 75,000 homes each year. (Source: *The Wichita Eagle*, Kansas, January 8, 2003)

[Back to Table of Contents](#)

PHILADELPHIA REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

SEATTLE REGION

► *General State Activities*

One year after Oregon switched to a deregulated energy market, only one business has chosen to switch energy suppliers. Bob Valdez of the Oregon Public Utility Commission said “[Customers] are taking a very cautious approach.” At this point, only businesses are able to choose suppliers; residential customers must continue receiving power from their traditional utility. Businesses are only given the opportunity once a year to choose their energy supplier for the coming year. Other alternatives offered by Pacific Gas and Electric have met greater success. Some businesses have requested electricity rates that are indexed to wholesale markets on a daily, monthly, or quarterly basis, instead of adhering to a utility's firm retail rates. (Source: *The Oregonian*, December 20, 2002)

► *Status of Utility-Related Activities*

The Public Utility Department of Chelan County, Washington has created the Sustainable Natural Alternative Power (SNAP) program to link local renewable energy producers and buyers. A monthly premium ranging from \$2.50 to \$50 is distributed proportionally to the energy generators based on their energy output. Current generating facilities include four solar photovoltaic systems and one wind turbine, together generating more than 30 KW, but geothermal, qualifying hydro, and biomass are also eligible to provide power to the program. Almost two percent of the utility's customers purchase the renewable power. Customers include the Wenatchee Federal Building/Post Office, Wenatchee Valley College, and Cashmere Middle School. Each of these organizations received funding for the program through the Bonneville Environmental Foundation, the Federal Government, and personal donations from U.S. Environmental Protection Agency employees in the Seattle office. (Source: *Con.Web*, December 20, 2002)

A report released by the Oregon Public Utilities Commission (PUC) showed that residential customers would not benefit from a competitive electric market. The report cited evidence that other states decrease in rates was largely the result of temporary price caps rather than a deregulated market. (Source: *Oregon Public Utilities Commission Press Release*, December 12, 2002)

Earlier this month the California Public Utilities Commission rendered moot the 1994 order that effectively deregulated the state's energy market. CPUC Commissioner Carl Wood supported the end

of deregulation “not just because there is no continuing need for it, but also because it was a disaster for ratepayers, utilities, and their employees.” (Source: Reuters, January 16, 2003)

The State of Washington Utilities and Transportation Commission authorized a study of Green Power programs spurred by legislation passed in 2001 that included an option to purchase alternative power. A survey of utilities revealed the following about the green power market:

- All 16 electric utilities in the state offer a green power electricity product to its customers and all are regularly advertised to customers.
- An average of 0.55% of customers registered to participate in the programs in the first year, and 1.4 MW of green power was sold during the first nine months of 2002.
- Wind power represented 90 percent of the green power offered.

(Source: *Green Power Programs in Washington: A Report to the Legislature*, Utilities and Transportation Commission, January 2003)

[Back to Table of Contents](#)

UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

FPL Energy brought 324 MW of wind power into its resource mix in 2002. The renewable power came from the 66-MW Mountaineer Wind Energy Center in West Virginia, the 98-MW Hancock County Wind Energy Center in Iowa, and the 37-MW expansion of the Stateline Wind Energy Center on the border of Washington and Oregon. Jim Robo, President of FPL Energy, said, "We know there are significant new opportunities for wind energy development throughout the country, and we plan to add 700 to 1,200 MW of new wind energy to our portfolio in 2003." Specific sites for adding new wind power facilities include California, New Mexico, and North and South Dakota. (Source: Business Wire, January 6, 2003)

ATLANTA REGION

► *Utility and DSM Activities*

The Tennessee Valley Authority will acquire up to 28 MW of power from 18 additional wind turbines to be built at its Buffalo Mountain site in eastern Tennessee. Currently the turbines produce 1.8 MW of power. Stephen Smith, Executive Director of the Southern Alliance for Clean Energy, said that this addition “is a significant commitment to wind in our region.” (Source: Associated Press, January 14, 2003)

Sterling Planet, a Florida green power marketer, is now offering electric customers in Tallahassee the option to purchase energy derived from solar and biomass as well as a solar-only option. The “Green For You” program enables customers to buy the renewables to meet 50 percent, 75 percent, or 100 percent of their electricity needs at a premium of 1.6 cents per kWh. The solar-only product is sold for 11.6 cents per kWh. The green power marketer plans to develop a 126-kW photovoltaic system in Tallahassee and a wood-chip-fired biomass plant in Florida to supply the program. (Source: *Green Power Monthly Update*, January, 2003)

[Back to Table of Contents](#)

BOSTON REGION

► *Utility and DSM Activities*

A new energy consortium entitled "New Energy New York" (NENY) launched last December will support the New York Capital Region's leadership in the energy industry and market New York's emerging energy industries. Charter members of NENY include Albany NanoTech, Blasch Precision Ceramic, EYP-Mission Critical Facilities, GE Global Research, Intermagnetics General, MTI-Micro Fuel Cells, Plug Power, and Super Power. Projects resulting from the consortium include the construction of the Alternative Energy Test Farm in upstate New York, built by Albany NanoTech (ANT), an organization that coordinates the Environmental Technology Applications Center (E2TAC). E2TAC develops joint industry/university programs that develop, apply, and commercialize nanoelectronics and nanotechnology. The ANT program will build a \$20 million Alternative Energy Test Farm that will test power technologies including fuel cells, microturbines, solar cells, and hydrogen and natural gas distribution. The test farm facility will allow scientists to evaluate new renewable energy generation and storage systems on an independent system, create a site for studying combined alternative forms of power generation, and facilitate a center that can rigorously and safely study supply issues for alternative primary chemical fuels like hydrogen and natural gas. (Source: *Internet Wire*, January 9, 2003)

Blaming high expense and the lack of a competitive retail market, Green Mountain Energy Company will discontinue green power service to its Connecticut customers as of March 31, 2003. Clifton Payne, Jr., Eastern Region President for Green Mountain Energy Company, said, "Without true customer choice, renewable energy offerings and rate savings on the retail market are not viable at this time in Connecticut, as demonstrated by the fact that other energy suppliers have stopped serving customers in the state." While other robust models of a competitive energy market can be found in New York, Pennsylvania, and New Jersey, "regulatory hurdles in Connecticut have made it impossible to continue offering our customers pollution free electricity service in an affordable manner" according to Mr. Payne. Green Mountain hopes to renew its offer of renewable energy to Connecticut customers in the future. (Source: Environment News Service, January 20, 2003)

[Back to Table of Contents](#)

CHICAGO REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

DENVER REGION

► *Utility and DSM Activities*

Customers of Holy Cross Energy, an energy supplier to Vail and Aspen, Colorado, now have the option to purchase green power derived from small hydropower and photovoltaics. The Local Renewable Energy Pool program offers green power in 75-kWh blocks for \$2.50 to residential and commercial customers. Wind power may be purchased at 2.5 cents per kWh. (Source: *Green Power Marketing*, January, 2003)

► *Public Benefits Programs*

Utility financial assistance programs in Texas are proving their worth. Entergy's financial assistance program for customers over 60, Project Care, may surpass the \$175,000 in grants that it provided to customers last year. The Program For Human Services, an organization that weatherizes homes in Orange, Galveston, Liberty, Jefferson, Chambers, and Hardin counties, spent \$1.5 million from April 2001 to March 2002. Connie Gray, the organization's Housing and Energy Coordination Director, said "Paying utility bills is a Band-Aid...but weatherization fixes problems." (Source: *The Beaumont Enterprise*, January 10, 2003)

[Back to Table of Contents](#)

PHILADELPHIA REGION

► *Public Benefits Programs*

Pepco Energy Services (PES); Commonwealth Green Energy, LLC; and Fauquier County landfill owners have partnered to turn landfill gas into renewable power. The converted resource will provide 2 MW of power to serve residential, commercial, and government customers. By 2010, the plant will increase productivity to 3 MW. The model developed by PES to finance the project requires no investment from either the county or state, and it can be used by other smaller entities that have limited access to government funding. Ed Mayberry, President and Chief Executive Officer of Pepco Energy Services, said "We already generate some green electricity from solar cells, and we buy credits for green energy from wind farms and other projects.... Now we will take the first of many steps into developing our own sources of nonpolluting alternative energy. It is what our customers want, and we are determined to provide it to them." (Source: PRNewswire, January 6, 2003)

[Back to Table of Contents](#)

SEATTLE REGION

► *Utility and DSM Activities*

The Nevada Power Company will demonstrate energy conservation methods to the public with its NexGen Demo house, which boasts a 1.2-kilowatt solar photovoltaic panel, triple-pane glass windows for insulation, EnergyStar™ appliances, and an energy-saving, water-cooled air conditioning system. Nevada Power will launch a \$9.2 million residential conservation program this year, and the demonstration house will exhibit many of the efficiency enhancements the utility will be promoting. (Source: *Las Vegas Review-Journal*, January 14, 2003)

Duke Solar will sell solar power to Nevada Power and Sierra Pacific Power to help the utilities fulfill renewable power mandates set by the State of Nevada. The planned 50-MW plant, which will go online by March 2005, will be constructed near Boulder City in the Eldorado Valley. The plant will not be completed in time to provide the utilities with five percent solar power in 2003, as required by state law. Walt Higgins, Chairman and Chief Executive Officer of Sierra Pacific Resources, said, "With the addition of this solar contract and the geothermal and wind contracts we recently signed, we expect to be able to satisfy the renewable portfolio requirements for both utilities for the year 2005 and exceed the requirement for the year 2006." (Source: *Las Vegas Review-Journal*, December 21, 2002)

Vestas Wind Systems, the world's leading wind turbine manufacturer, has placed a hold on plans to develop a manufacturing facility in the Pacific Northwest. While the company did not provide specific reasons for its decision, it did note that it has lowered its expectation for the U.S. wind market in 2003. (Source: *Con.Web In Brief*, December 20, 2002)

The Pacific Northwest could soon reap 27 MW of energy from landfill gas at a proposed site at the Cedar Hills Regional Landfill in Oregon. Energy Developments, Inc., (EDI) and King County are

working to develop the project, and EDI has sent letters of solicitation to potential utility purchasers. The plant may begin utilizing gas-fired turbines with heat recovery by the end of 2004. Production would continue until 2024; however, output might decline after 2012. The project could result in green certification and tax credits. (Source: *Con.Web In Brief*, December 20, 2002)

The Hawaiian Electric Company (HECO) is piloting a program to use its distribution lines to transmit data over the Internet. The benefits of power line communications (PLC) could facilitate automated meter reading, load balancing, and security services. Ken Brightfield, President of the Power Line Communications Association, said "Aside from bringing high-speed Internet to the home, PLC can also serve for planned critical redundancy for emergency communications as well as greater energy conservation through the creation of a more intelligent power management grid." HECO plans to demonstrate the technology in January at 10 homes, and if the demonstration is successful, HECO will expand the service to all of its 275,000 customers. HECO customers could take advantage of real-time metering and HECO's new found ability to curtail energy usage during peak periods. (Source: *UtiliPoint International*, January 6, 2003)

Pacificorp has released a draft integrated resource plan (IRP) that includes incorporating 1,146 MW of renewables over the next 10 years. Despite including more renewables than past plans, the utility is wary of focusing on new technologies. The Oregon Office of Energy deemed the plan "one of the most impressive integrated resource plans." (Source: *Pacificorp.com*)

► *Public Benefits Programs*

The Bonneville Power Administration (BPA) is offering solar water heating at no cost to its customers. Proponents of the program say that solar water heating is cheaper than solar electricity. For example, a \$2,000 solar water heating installation with incentives and tax credits produces as much as a \$15,000 solar electric system. According to Eugene (Oregon) Water and Electric Board representative Steve Still, solar water heating can save more energy than residential weatherization. (Source: *Con.Web*, December 20, 2002)

The Bonneville Power Administration is claiming that it will cut \$21 million in energy savings and renewable energy initiatives over the next four years, while still meeting the targeted 220 MW savings for 2002-2006. Renewables spending will be reduced by one million dollars annually, coupled with a diminished role in buying renewable energy. BPA Administrator Steve Wright said, "We will continue to work toward a sustainable energy efficiency future, and we intend to meet the Northwest Power Planning Council's target for conservation acquisition. Based on recent experience, we believe we can hit that target at costs significantly below the cost of historic conservation acquisitions if we stay on track with our conservation augmentation programs." Bonneville's \$13 million in energy efficiency budget cuts fall on Conservation Augmentation, an umbrella for numerous energy-saving initiatives. In terms of renewables acquisitions, BPA will now primarily function as a renewable energy aggregator. (Source: *Con.Web In Brief*, December 20, 2002)

[Back to Table of Contents](#)

PRIVATE SECTOR

ATLANTA REGION

The Rechargeable Battery Recycling Corporation (RBRC) is offering free battery recycling to public agencies. RBRC has previously offered the service to communities for no fee; even shipping costs are covered. The program includes recycling for all small rechargeable batteries: nickel cadmium, nickel metal hydride, lithium ion, and small sealed lead batteries. (Source: Environmental News Service, January 7, 2003)

The North Carolina Solar Center, based in the College of Engineering and the Industrial Extension Service of North Carolina State University, began construction of a solar refueling station for Alternative-Fuel Vehicles (AFV) to be completed by May 2003. The garage will provide a research and education facility for photovoltaic charging of AFVs and a variety of alternative fuels including compressed natural gas, gas-electric hybrid, and hydrogen fuel cells. (Source: www.ccities.doe.gov/whats_new.shtml, January 2003)

[Back to Table of Contents](#)

BOSTON REGION

An Amherst, Massachusetts, high school has decided to go solar. Sweet Home Central School District received a New York State Energy Research and Development Authority grant of \$20,000 to install a two-kilowatt solar panel system. The school will also use the facility to teach students about alternative energy sources. (Source: *Buffalo News*, December 26, 2002)

[Back to Table of Contents](#)

CHICAGO REGION

O'Hare International Airport will receive a \$2.4 million energy-saving retrofit. Electric City won the contract to replace and retrofit the energy and HVAC systems of two terminals after completing several EnergySaver and retrofit projects for airports, Lexus, and Morgan Stanley. (Source: PR Newswire, January 15, 2003)

[Back to Table of Contents](#)

DENVER REGION

The University of Central Oklahoma has installed \$8 million in new HVAC equipment without increasing its budget. The new equipment was purchased through a performance contract with Johnson Controls Inc., who guarantees that the new system will save enough in energy costs to pay for itself over 20 years. (Source: www.newsok.com, January 6, 2003)

[Back to Table of Contents](#)

PHILADELPHIA REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

SEATTLE REGION

West Salem High School in Salem, Oregon, has installed a 2.4 kW solar electric system. A partnership among local businesses, an electric utility, and a non-profit organization donated the system along with a curriculum on renewable power at no cost to the school. (Source: Environmental News Service, January 20, 2003)

Loyola Marymount University is installing the largest rooftop solar power system in California. The system will generate 723-kWh at peak times and is estimated to save over \$120,000 per year. Loyola Marymount has subsidized the cost with a \$3.7 million rebate from the Los Angeles Department of Water and Power and \$325,000 from The Gas Company. (Source: Environmental News Service, January 10, 2003)

Uni-Solar, a thin-film solar technology firm, is now offering its SmartRoof residential solar electric system to homeowners in a San Diego, California, test market. Residential Sales Manager Mark Holohan said that customers so far “are looking for solar energy solutions that are maintenance-free and don’t compromise the look of their home.” Uni-Solar is also offering a free energy evaluation to California residents. (Source: Uni-Solar press release, December 19, 2002)

[Back to Table of Contents](#)

ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

Toyota began sales of the 2003 Partial Zero Emission Vehicle (PZEV) Camry. Most of the PZEV sold in California will have four-cylinder engines and automatic transmissions. All of the vehicles meet the Super Ultra Low Emission Vehicle standard. The 2003 PZEV Camry has an EPA estimated fuel mileage of 23 miles per gallon in town and 32 on the highway. (Source: *CALSTART Notes*, January 1, 2003)

Toyota has announced it will build a new hybrid electric vehicle system for use in the Lexus RX 33a, a luxury sports utility vehicle, by 2005. The drive system features wheel-mounted electric motors on all four wheels, combined with a traditional gasoline engine and nickel-metal-hydride battery pack. The FINE-S, another concept car by Toyota on display, has a shared platform that allows for installing a variety of technology on a variety of vehicles, similar to General Motors’ Hywire, which was introduced in October 2001. (Source: pressroom.toyota.com, January 2003)

Nissan introduced the X-TRAIL FCV fuel cell vehicle, powered by a UTC Fuel Cells hydrogen power plant. The X-TRAIL FCV is a zero-emission hybrid vehicle powered by 75-kW hydrogen fuel cells. The vehicle will be road tested in Japan soon. (Source: www.ccities.doe.gov/whats_new.shtml, January 2003)

General Motors Corporation (GM) will use hybrid engines to power 12 vehicle models by 2007. The GMC Sierra and Chevrolet Silverado hybrid versions will be released with 42-volt lead-acid battery packs for energy storage and 14-kW motors combined with V8 engines, giving a 10 to 12 percent fuel economy increase. The hybrid Saturn VUE, a smaller SUV that runs on a four- or six-cylinder engine, will be released in late 2005. GM’s third hybrid system, a belt driven starter/alternator with a 2.4-liter engine and 42-volt battery, will be in the new Chevrolet Equinox SUV in 2006. The same system will also be used in the Chevrolet Malibu sedan in 2007. GM anticipates selling one million or more alternatively fueled vehicles each year. (Source: *EREN Network News*, January 8, 2003; *Greenwire*, January 6, 2003; *CALSTART News*, January 6, 2003)

The U.S. Army’s National Automotive Center, in collaboration with GM, introduced a fuel-efficient pickup truck for use by the United States Army. The truck is similar to the Chevrolet Silverado, which is powered by a hybrid electric system and a diesel V8 engine. Fuel consumption is reduced by 20 percent, and auxiliary power is available from a five-kilowatt regenerative fuel cell. The Army is expected to request 30,000 hybrid electrical vehicles by 2010. (Source: *CALSTART News Notes*, January 7, 2003; *EREN Network News*, January 15, 2003)

[Back to Table of Contents](#)

ATLANTA REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

BOSTON REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

CHICAGO REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

DENVER REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

PHILADELPHIA REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

SEATTLE REGION

► *New Products and Services*

The California Resources Board (CARB) will vote on February 27 whether to delay its electric car mandate by two years. The original regulations required 10 percent of new vehicles sold in the California to have zero or near-zero emissions by the beginning of 2003. The delayed enforcement is in response to a lawsuit by General Motors Corporation and DaimlerChrysler, who argued that the state is attempting to regulate fuel economy, which is the Federal Government's jurisdiction. (Source: Greenwire, January 13, 2003)

The City of Los Angeles, California, has begun a two-year lease of the only hydrogen-powered Honda FCX to be operated in daily use. The city will pay \$500 a month to lease this vehicle and four other FCX vehicles that will be delivered by the end of 2003. The FCX has 80 horsepower, 201 foot-pounds of torque, and an EPA-certified range of 170 miles and can hold four people. (Source: hondacorporate.com/new/index.html, December 17, 2002)

[Back to Table of Contents](#)

MEETINGS, CONFERENCES, AND TRAINING

WORKSHOPS

- Refer to [Attachment F](#) – New Technologies.
- Refer to [Attachment G](#) – Calendar of Upcoming Events.

GENERAL ANNOUNCEMENTS

The Association of Energy Engineers is offering an online seminar, Performance Contracting 2003, beginning on February 18, 2003. Topics include Basic Elements, Risk Management, ESCO Selection, and Contracts and Negotiations. For more information, go to www.aeecenter.org/seminars.

[Back to Table of Contents](#)

ATLANTA REGION

PowerMarketers is sponsoring Brazil Energy 2003 on March 20-21, 2003, in Miami, Florida.

Topics will focus on changes affecting the Brazilian energy industry and U.S. energy companies in Brazil due to the election of the new Brazilian president. For more information, go to

www.cbinet.com/events/PB302/index.html.

The International Solar Energy Society is sponsoring Solar World Congress 2005 on August 8-12, 2005, in Orlando, Florida. Topics include challenges in providing clean and convenient water resources to communities, advances in solar sciences over the past fifty years, and strategies to develop a sustainable energy future. For more information, go to

www.ises.org/ises.nsf/5c990687ba31ff01c12568b3004ef917/5f74069eedc5e1f3c1256b53003c45db!OpenDocument.

The sixth annual national energy management conference and trade show, Energy 2003, will be held in Orlando, Florida, on August 17-20, 2003. The conference, sponsored by DOE's Federal Energy Management Program, is geared for Federal, state, local and private sector energy managers, energy service companies, utilities, procurement officials, engineers, and others involved in energy management around the country. **Topics will include procurement requirements for energy-related products and services, alternative financing, energy markets, distributed energy resources, Federal policies and mandates, core skills for energy managers, new technologies, sustainable building design, alternative fuels, and water resource management.** For more information, go to www.energy2003.ee.doe.gov.

[Back to Table of Contents](#)

BOSTON REGION

The United Nations International School is presenting an energy summit, How Secure Is Your Energy Supply?, on February 20 in New York City. Topics will include energy security after 9/11, the impact of Enron's collapse, and distributed generation. For more information or to register, go to www.blsmeetings.net/workshops/NewYork.

The Global Warming International Center is sponsoring the 14th Global Warming Conference on May 27-30, 2003, in Boston, Massachusetts. Topics include climate change, energy and transportation, industry emissions, agricultural and forestry resources management, ecosystems and biodiversity, carbon budget and cycle, and sustainable environment and health for the 21st century. For more information, go to www.globalwarming.net/gw14-overview.asp.

The Environmental Business Association of New York State, Incorporated, is sponsoring the Third Annual Empire Energy and Environmental Exposition on October 14-15, 2003, in Albany, New York. Topics focus on available, demonstrable, and purchasable energy and environmental equipment, products, and services. For more information, go to www.eba-nys.org/Events/2003/E4/14Oct03Notice.htm.

[Back to Table of Contents](#)

CHICAGO REGION

The Minnesota Pollution Control Agency, Minnesota's Department of Natural Resources, Minnesota's Office of Environmental Assistance, and many others are sponsoring the Living Green Expo on April 12-13, 2003, in St. Paul, Minnesota. Topics include energy efficiency, toxic substances, recycled materials, plant-based products, water conservation, reduced-packaging materials, and socially responsible practices. For more information, go to www.livinggreenexpo.org/LivingGreennew2nd.htm.

The Oregon Forest Resources Institute, the Environmental Protection Agency, and many other organizations are sponsoring the Sustainability Forum on May 29-31, 2003, in St. Paul, Minnesota. The conference will cover sustainability in the Northwest by facilitating progress through the promotion of sustainable products and services, the advancement of employment in sustainable industries, the revitalization of communities, and the restoration of natural ecosystems. For more information, go to www.sustainablenorthwest.org/soc/sfindex.htm.

[Back to Table of Contents](#)

DENVER REGION

Electric Utility Consultants Incorporated is sponsoring a conference, Power Generation Asset Management, on February 25-26, 2003, in Westminster, Colorado. The conference focuses on effective strategies and practices for merchant energy companies with limited capital for plant upgrades or new generation managing assets in the wholesale power environment. For more information, go to www.pmaconference.com.

Electric Utility Consultants Incorporated is also sponsoring another conference, Optimizing a Power Generation Portfolio, on February 27-28, 2003, in Westminster, Colorado. Topics focus on how supply, demand, and competition will interact in tomorrow's deregulated electricity market. For more information, go to www.pmaconference.com.

[Back to Table of Contents](#)

PHILADELPHIA REGION

The United States Combined Heat and Power Association is sponsoring a conference, CHP on the Move: Meeting State, Federal, and International Challenges, on April 30-May 2, 2003, in Washington, DC. Topics will include Congress and energy policy, state issues, and international sales. For more information, go to www.uschpa.org.

[Back to Table of Contents](#)

SEATTLE REGION

The International Quality and Productivity Center is sponsoring Green Construction and Ecological Design on February 26-27, 2003, in San Francisco, California. The conference will cover strategies for achieving business, community excellence, cost savings, and maximum profits from environmentally friendly and low-impact buildings, materials, designs, and sustainable development. For more information, go to www.iqpc.co.uk/binary-data/IQPC_CONFEVENT/pdf_file/3023.pdf

Nike, TriMet, the Collins Co., Better Bricks, and other organizations are sponsoring Developing and Using Sustainable Indicators on February 27, 2003, in Beaverton, Oregon. The main topic is tools for organizations intending to become environmentally sustainable, with a focus on selecting and using indicators that measure and assess progress toward sustainability. For more information, go to www.sustainable.org/information/calendar.html.

Energydynamics and Paradigm are sponsoring Energy Essentials Week on March 3-7, 2003, in San Francisco, California. Topics include core tools, concepts, and management strategies for buying and selling energy; an overview on the electric system, operation and industry; and an overview of the natural gas industry. For more information, go to www.enerdynamics.com/seminar3.html

Penton Media Incorporated is sponsoring Southern California Plant Engineering and Maintenance Show on March 18-19, 2003, in Anaheim, California. The conference will focus on hazardous materials compliance, energy efficiency, indoor air quality in buildings, and cool roofing. For more information, go to www.proshows.com/shows/conference.php?cmd=scpe.

Portland Energy Conservation, Inc., is sponsoring the 11th National Conference on Building Commissioning on May 20-22, 2003, in Palm Springs, California. Potential topics include financial cases for commissioning, public sector commissioning, emerging tools, and energy savings specifying commissioning. For more information, go to www.peci.org.

Edison Electric Institute (EEI) and the Canadian Electricity Association are sponsoring the 2003 EEI Annual Convention/Exposition on June 1-4, 2003, in Honolulu, Hawaii. The conference is a gathering of North America's energy suppliers, energy delivery, and retail services companies. For more information, go to www.eei.org/resources/meetings/annual/2003/general.htm.

The Greening of Industry Network and the Environmental Protection Agency are sponsoring the Greening of Industry Network Conference: Innovating for Sustainability on October 12-15, 2003, in San Francisco, California. The conference will focus on overcoming barriers to sustainable development by addressing complex issues such as climate change. For more information, go to www.sustsci.harvard.edu/events.htm#gin03.

Pro Shows is sponsoring the Sixth Annual Washington State Plant and Engineering and Maintenance Show on October 30, 2003, in Seattle, Washington. Topics include energy savings and energy conservation. For more information, go to www.proshows.com/shows/conference.php?cmd=wpem.

[Back to Table of Contents](#)

STUDIES, REPORTS, AND ANALYSES

ENERGY AND WATER CONSERVATION

Residential Energy Management and Energy Efficiency, Chartwell, September 24, 2002.

The report analyzes a 2002 survey of 50 energy utility companies and describes a wide variety of residential energy management strategies offered by these companies. For more information, go to www.chartwellinc.com/pr09242002.html.

The Most Energy-Efficient Appliances 2002, American Council for an Energy-Efficient Economy, September 2002.

The report contains the organization's annual listing of top-rated efficient residential appliances in the U.S. market. Appliances covered include refrigerators, dishwashers, clothes washers, water heaters, central and room air conditioners, central heat pumps, furnaces, and boilers.

[Back to Table of Contents](#)

SOLAR AND RENEWABLE ENERGY

Myths About Solar Electricity, National Renewable Energy Laboratory, January 2003.

This brochure lists six myths that confuse the real issues of using solar electricity effectively in homes or commercial buildings. For more information, go to www.nrel.gov/docs/fy03osti/32529.pdf.

International Green Power Report, Energy Info Source, October 2002.

The 290-page study assesses past, present, and future green power markets in the United States, Canada, Europe, and Australia. Specific topics include barriers to implementing green power; government policies and incentives in support of green power; overview of international green pricing programs; and profiles of green tag suppliers, certifiers, and programs. To purchase the report, visit www.energysource.com.

[Back to Table of Contents](#)

ALTERNATIVE FUELS AND VEHICLES

"Green" Vehicles Popularity Soars, R. L. Polk & Co., January 2003.

Through analysis of vehicle registrations, R.L. Polk found a 54-fold increase in popularity in "green" vehicles in the past five years. From January through October 2002, seven electric and gas-electric hybrid vehicles accounted for nearly 35,000 registrations. The Toyota Prius and Honda Insight consisted of 78 percent of Alternative Fueled Vehicles (AFV) registrations.

2003 Fuel Economy Guide, Department of Energy, January 2003.

The report provides information on the new AFVs for model year 2003. The report includes data on emissions and safety, as well as fuel economy. For a copy of the report, visit www.fueleconomy.gov.

[Back to Table of Contents](#)

UTILITY-RELATED ISSUES

North America – Regulation Of International Electricity Trade, North American Energy Working Group, 2002.

The report, produced as a result of a working group established by U.S. Energy Secretary Spencer Abraham, Canadian Natural Resources Minister Herb Dhaliwal, and Mexican Energy Secretary Ernesto Martens to expand electricity trade among the countries, presents an overview of regulations governing the construction and operation of power lines and the authorization of electricity exports and imports in the United States, Canada, and Mexico. To read the report, visit www.fossil.energy.gov/electricitytrade.

[Back to Table of Contents](#)

ATTACHMENT A

STATUS OF FY03 APPROPRIATIONS BILLS

(In Billions)

HOUSE

SENATE

<i>Jurisdiction/ FY 2003 Budget Request</i>	<i>302(b) Alloca- tions/ Approved Funding Level</i>	<i>Bill No.</i>	<i>Full Cmte.</i>	<i>Floor</i>	<i>Conf.</i>	<i>302(b) Alloca- tions/ Approved Funding Level</i>	<i>Bill No.</i>	<i>Full Cmte.</i>	<i>Floor</i>	<i>Conf.</i>
Agriculture \$17.051	\$ 17.601	HR 5263	7/11	7/26		\$ 17.980	S 2801	7/25		
Commerce \$ 40.333	\$ 40.726	-	7/18			\$ 43.475	S 2778	7/18		
Defense \$356.598	\$354.7	HR 5010	6/24	6/27	10/10	\$ 355.1	S Rpt 107-213	7/18	8/1	10/16
Energy and Water Development \$25.149	\$ 26.027	HR 5431	9/05			\$ 26.300	S 27844	7/24		
Interior \$18.953	\$ 19.8	HR 5093	7/9	7/17		\$ 19.35	S. 2708	6/27		
Labor / HHS \$129.902	\$129.902	HR 5320				\$133.988	S 2766	7/18		
Military Construction \$ 9.541	\$ 10.083	HR 5011	6/24	6/27	10/2	\$ 10.622	S 2709	6/27	7/18	10/11
Transportatio n \$ 19.851	\$ 19.411	-	10/1			\$ 21.1	S 2808	7/25		
Treasury \$ 17.960	\$ 18.501	HR 5120	7/9	7/24		\$ 18.501	S 2740	7/16		
VA/HUD \$ 92.518	\$ 90.9	-	10/9			\$ 91.434	S 2797	7/25		
Continuing Resolution H J Res 112 P.L. 107-244 (10/18/02)				1/8/03					1/23/03	

[Back to Table of Contents](#)

ATTACHMENT B

NEW LEGISLATION OF INTEREST TO FEMP

HOUSE

Number	Short title	Date	Sponsor	Status
H.R. 318	Biofuels Air Quality Act	January 8, 2003	Shimkus	Referred to the Committee on Transportation and Infrastructure
Key Provisions: Amends <i>Title 23</i> of the <i>United States Code</i> to make renewable fuel projects eligible under the congestion mitigation and air quality improvement program.				

SENATE

Number	Short title	Date	Sponsor	Status
S. 194	National Greenhouse Gas Emissions Inventory and Registry Act of 2003	January 17	Jon Corzine (D/NJ)	Referred to the Committee on Environment and Public Works
Key Provisions: Amends the <i>Clean Air Act</i> to establish an inventory, registry, and information system of to inform the public and private sector about American greenhouse gas emissions.				
<ul style="list-style-type: none"> ➤ Establishes a National Greenhouse Gas Emissions Information System in consultation with the Secretary of Commerce, the Secretary of Agriculture, the Secretary of Energy, the states, the private sector, and nongovernmental organizations. The Administrator of the Environmental Protection Agency will ensure coordination between the National Greenhouse Gas Emissions Information System and existing and developing Federal, regional, and state greenhouse gas registries. ➤ Establishes a National Greenhouse Gas Registry in consultation with the Secretary of Commerce, the Secretary of Agriculture, the Secretary of Energy, states, the private sector, and nongovernmental organizations. The Administrator of the EPA will establish threshold quantities of emissions for each combination of a source and a greenhouse gas that is subject to the following mandatory reporting requirements: <ul style="list-style-type: none"> ○ Not later than April 30, 2004, each entity shall submit estimates of direct stationary combustion source emissions, greenhouse gas emissions, and sources of greenhouse gas. ○ Not later than April 30, 2005, and each April 30 thereafter each entity shall submit a greenhouse gas report including estimates of indirect emissions from imported electricity, heat, and steam; estimates of process emissions; estimates of fugitive emissions; estimates of mobile source emissions; and estimates of direct stationary source emissions, including emissions resulting from 				

Number	Short title	Date	Sponsor	Status
				<p>combustion of biomass, if applicable.</p> <ul style="list-style-type: none"> ○ Not later than April 30, 2004, and each April 30 thereafter each entity may voluntarily report project reductions; transfers of project reductions to and from any other entity; project reductions and transfers of project reductions outside the United States; indirect emissions such as product transport, waste disposal, product substitution, travel, and employee commuting; and product use phase emissions. Each entity may report activities that reduce greenhouse gas emissions or sequester a greenhouse gas, including fuel switching; energy efficiency improvements; use of renewable energy; use of combined heat and power systems; management of cropland, grassland, and grazing land; forestry activities that increase carbon stocks; carbon capture and storage; methane recovery; and carbon offset investments. Report must include information on organizational growth or decline of the reporting entity, including an increase or decrease in production output; a change in product mix; and/or plant closure. ○ The Administrator and the Secretary of Commerce, the Secretary of Agriculture, and the Secretary of Energy shall jointly work with the states, the private sector, and nongovernmental organizations to develop protocols for quantification and verification of greenhouse gas emissions, electronic methods for quantification and reporting of greenhouse gas emissions, and greenhouse gas accounting and reporting standards. Protocols and methods developed shall conform to the best practice protocols that have the greatest support of experts in the field. ○ The Administrator, the Secretary of Commerce, the Secretary of Agriculture, and the Secretary of Energy shall jointly conduct an outreach program to provide information to all reporting entities and the public on the protocols and methods developed. <p>➤ Establishes a National Greenhouse Gas Emissions Inventory to be published not later than April 30, 2004, and each April 30 thereafter, which includes comprehensive estimates of the quantity of United States greenhouse gas emissions for the next year, including for each greenhouse gas an estimate of the quantity of emissions contributed by each key source category; a detailed analysis of trends in the quantity, composition, and sources of United States greenhouse gas emissions; a detailed explanation of the methodology used in developing the national greenhouse gas emissions inventory; and a detailed analysis of the information reported to the National Greenhouse Gas Emissions Information System and the National Greenhouse Gas Registry. The Administrator shall prescribe protocols for the measurement, accounting, reporting, and verification of greenhouse gas emissions.</p>

[Back to Table of Contents](#)

ATTACHMENT C

HEARINGS SCHEDULE

HOUSE – APPROPRIATIONS

There are no hearings of interest to report.

HOUSE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
January 29 - Committee on the Budget	Jim Nussle (R/OK)	Hearing – Congressional Budget Office, The Budget and Economic Outlook: 2004-2013	<i>TBD</i>	10 a.m. Room 210 Cannon Office Building

SENATE – APPROPRIATIONS

There are no hearings of interest to report.

SENATE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
January 30 – Committee on the Budget (NEW)	Don Nickles (R/OK)	Hearing – The Budget and Economic Outlook	Barry Anderson, Acting Director, Congressional Budget Office	10:00 a.m. Room 608 Dirksen Office Building
February 11 - Committee on Energy and Natural Resources (NEW)	Pete Domenici (R/NM)	Hearing - Examine proposed budget request for FY 2004 for the Department of the Interior	TBD	10 a.m. Room 366 Dirksen Office Building
February 13 - Committee on Energy and Natural Resources (NEW)	Pete Domenici (R/NM)	Hearing - Examine proposed budget request for FY 2004 for the Forest Service of the Department of Agriculture	TBD	10 a.m. Room 366 Dirksen Office Building
February 25 - Committee on Energy and Natural Resources	Pete Domenici (R/NM)	Hearing - Examine proposed budget request for FY 2004 for the Department of Energy	TBD	10 a.m. Room 366 Dirksen Office Building

CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

There are no hearings of interest to report.

[Back to Table of Contents](#)

ATTACHMENT F

NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact
HVAC			
TM Series Cooling Tower	Delta Cooling Towers, Inc.	Plastic molded tower provides longer life than traditional metal towers; energy efficient	www.deltacooling.com
BTH-400 Model Cyclone XHE® Gas Water Heater	A.O. Smith Water Products Co.	99 percent thermal efficiency, 20 percent higher gph recovery than standard commercial gas water heaters	www.hotwater.com
ECDX line Water Chiller	Dunham-Bush Inc.	37 percent greater efficiency compared to other air-cooled chillers	www.dunham-bush.com
G32V Gas Furnace	Lennox Industries Inc.	94 percent efficiency rating; two levels of heat output	www.lennox.com
Ultra 155 and Ultra 230 Boiler	Weil-McLain	Maximizes efficiency by measuring and responding to data parameters of heating system; Ultra 230 achieves 92.8 percent AFUE; Ultra 155, 93.0 percent AFUE	www.weil-mclain.com
SmartComfort™ DLX 90 Gas Furnace	Tempstar, International Comfort Products	92 percent AFUE	www.tempstar.com
Generation CVL Architectural Cutoff Post Top Luminaire	McGraw-Edison, Cooper Lighting	High efficiency	www.cooperlighting.com
OAM Purger™	Redi/Controls Inc.	Restores peak operating efficiency; reduces energy consumption	www.redicontrols.com
M Series Fluid Coolers and Evaporative Condensers	Recold	Provides higher energy efficiencies	www.recold.com
Vitodens 200 Gas-fired Boiler	Viessmann Manufacturing Company	High efficiency	www.viessmann-us.com
Series R™ RTAC Chiller	Trane	Meets or exceeds ASHRAE 90.1 for energy efficiency	www.trane.com

Technology	Manufacturer	Manufacturers Claim	Contact
E Series – PGE, PAE, and PHE Model Gas/Electric and Air Conditioning	Heil	High efficiency; meets ASHRAE 90.1 2001 standards	www.heil-hvac.com
DPGB Downflow Furnaces	Ducane	80 percent annual fuel utilization efficiency	www.ducanehvac.com
Lighting			
White Mini-FlashLED™ Pocket Flashlight	LEDtronics	100,000 hour lamp lifetime; energy efficient; 82 hour unit lifetime	www.ledtronics.com
HMSP Luminarie	Holophane	Metalized glass reflector for high efficiency	www.holophane.com
Inde-Pendants™ Fixture	Litecontrol	High performance and efficiency	www.litecontrol.com
Low Voltage MONORAIL System	W.A.C. Lighting Company	Low voltage	www.waclighting.com
Ultraviolet Discrete LED	LEDtronics	New line with low power consumption	www.ledtronics.com
SmartMate® ICF-2S42-M2 Ballast (Rated to Operate 70-Watt Compact Fluorescent Lamp)	Advance Transformer Company	Enclosure designs optimized for superior thermal performance; programmed start design for optimal lamp life	www.advancetransformer.com
LED-R63™ Series Bulb	Mule Lighting, Inc.	Reduces electrical consumption 80-90 percent; 100,000 hour operating life; consumes less than 1W energy	www.mulelighting.com
Illuminaire™ Fixture	Holophane	Provides up to 92 percent efficiency	www.holophane.com
ENERGY MANAGEMENT TOOLS			
ION Setup™	Power Measurement	Meter configuration tool for Power Measurement intelligent metering and control products; available for download	www.pwrmm.com
Refrigerant Document Template	FieldCentrix	Provides automated, efficient, and permanent way to track and report refrigerant handling and usage	www.fieldcentrix.com
Photometric Toolbox32	Lighting Analysts	Upgraded software programs for working with lighting software and electronic IES files	www.lightinganalysts.com
Compose™ PLC Firewall™	Lightolier Controls	Links lighting controls and simplifies system management	www.lolcontrols.com
Distributed Generation Analysis Tool Version 1.0	National Association of State Energy Officials	Conducts 20-year lifecycle cost analysis and assesses environmental impacts of distributed generation technologies	www.naseo.org
SC-30 HVAC Acoustics Analyzer	Scantek Inc.	Allows complete check of HVAC equipment without range switching	www.scantekinc.com

Technology	Manufacturer	Manufacturers Claim	Contact
iXP-420 Idea™ Relay	Cooper Power Systems	Provides comprehensive power transformer protection with differential, restricted earth fault, overcurrent, over-excitation, frequency and voltage protection	www.cooperpower.com
Envoi® Building Control System	Novar Controls	Monitors HVAC systems, interior and exterior lighting, electrical demand and consumption	www.novarcontrols.com
R842 Microcomputer-based Relay	Viconics Electronics, Inc.	Provides timing control for increased accuracy, comfort, and 5-10 percent energy savings	www.viconics.com
MISCELLANEOUS			
Power Wave™ 355/Power Feed™ 10 Welding System	Lincoln Electric Company	Features high-efficiency inverter power source	www.lincolnelectric.com
Igniter	SUPCO	Spiral design for greater strength and longer life	www.supco.com
Max-Vee Snow Shield™	Conserv-A-Therm Corp.	Guard incorporates a “deep pocket” design, which increases snow-melting efficiency	www.vitecnj.com/conservatherm.html

[Back to Table of Contents](#)

ATTACHMENT G

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **red**.

ATLANTA REGION

DATE	EVENT	SPONSOR
February 10, 2003	Funding Green Buildings: Sources and Strategies Atlanta, GA	The McAdams Group
February 10-11, 2003	Energy Management Workshop Cocoa, FL	FEMP
February 12-15, 2003	Greenprints 2003: Sustainable Design Atlanta, GA	Georgia Environmental Facilities and Southface Energy Institute
March 20-21, 2003	Brazil Energy 2003 Miami, FL	PowerMarketers
May 7-10, 2003	11 th Rinker International Conference on Destruction and Materials Reuse Gainesville, FL	Center for Construction and Environment
August 8-12, 2005	Solar World Congress 2005 Orlando, FL	International Solar Energy Society
August 17-20, 2003	Energy 2003 Orlando, FL	FEMP
November 12-13, 2003	World Energy Engineering Congress (WEEC) Atlanta, GA	Association of Energy Engineers
November 12-14, 2003	High Performance Facilities Expo 2003 / HPFE Atlanta, GA	Association of Energy Engineers

BOSTON REGION

DATE	EVENT	SPONSOR
February 20, 2003	How Secure Is Your Energy Supply? New York, NY	United Nations International School
March 12-15, 2003	Building Energy 2003 Boston, MA	Northeast Sustainable Energy Association

DATE	EVENT	SPONSOR
March 21-22, 2003	Integrated Design/Integrated Development, A Conference on Environmentally Responsible Development Durham, NH	New Hampshire Chapter of the American Institute of Architects
April 2-3, 2003	GLOBALCON 2003 Boston, MA	Association of Energy Engineers
May 27-30, 2003	14th Global Warming Conference Boston, MA	Global Warming International Center
July 29-31, 2003	Waterpower XIII Buffalo, NY	HCI Publications
July 29-August 1, 2003	2003 ACEEE Summer Study on Energy Efficiency in Industry: Sustainability and Industry – Increasing Energy Efficiency and Reducing Emissions Rye Brook, NY	American Council for an Energy Efficient Economy
October 14-15, 2003	3rd Annual Empire Energy and Environmental Exposition (E4) Albany, NY	Environmental Business Association of New York State, Inc.

CHICAGO REGION

DATE	EVENT	SPONSOR
February 5-6, 2003	Green by Design Grand Rapids, MI	Steelcase Inc. and Grand Rapids Community College
April 12-13, 2003	Living Green Expo St. Paul, MN	Minnesota Pollution Control Agency, Department of Natural Resources, Office of Environmental Assistance and many others
May 29-31, 2003	Sustainability Forum St. Paul, MN	EPA

DENVER REGION

DATE	EVENT	SPONSOR
February 25-26, 2003	Power Generation Asset Management Westminster, CO	Electric Utility Consultants Inc.
February 27-28, 2003	Optimizing a Power Generation Portfolio Westminster, CO	Electric Utility Consultants Inc.
September 17-20, 2003	Architectural Engineering 2003: Building Integration Solutions Austin, TX	Architectural Engineering Institute

DATE	EVENT	SPONSOR
December 10-11, 2003	Business Energy Solutions Expo 2003 / BESE New Orleans, LA	American Council for an Energy Efficient Economy

PHILADELPHIA REGION

Date	Event	Sponsor
February 26-27, 2003	Gas Turbines for a National Energy Infrastructure Arlington, VA	Department of Energy
March 30-April 1, 2003	National Green Building Conference Baltimore, MD	National Association of Homebuilders Research Center
April 30-May 2, 2003	EnvironDesign7 Washington, DC	IS Design and Green@work
April 30-May 2, 2003	CHP On the Move: Meeting State, Federal, and International Challenges Washington, DC	United States Combined Heat and Power Association
October 12-14, 2003	2003 AIVC BETEC Conference: Ventilation, Humidity Control and Energy Washington, DC	Building Environment and Thermal Envelope Council
November 12 - November 14, 2003	2003 USGBC International Green Building Conference & Expo Pittsburgh, PA	U.S. Green Building Council

SEATTLE REGION

DATE	EVENT	SPONSOR
February 4-5, 2003	Life-Cycle Costing (Combined: Basic and Project-Oriented) Honolulu, HI	Department of Energy
February 10-11, 2003	Harvesting Clean Energy - Charting the Way to Profitable Clean Energy Production Boise, ID	Climate Solutions and NW Cooperative Development Center
February 26-27, 2003	Green Construction and Ecological Design San Francisco, CA	International Quality and Productivity Center
February 27, 2003	Developing and Using Sustainable Indicators Beaverton, OR	Nike, TriMet, The Collins Co., Better Bricks, & More
March 3-7, 2003	Energy Essentials Week San Francisco, CA	Energydynamics and Paradigm

DATE	EVENT	SPONSOR
March 6-9, 2003	Natural Products Expo West Anaheim, CA	Expo West
March 15-18, 2003	International Solar Energy Conference Hawaii Island, HI	American Society of Mechanical Engineers
March 18-19, 2003	Southern California Plant Engineering and Maintenance Show Anaheim, CA	Penton Media, Inc.
May 7-9, 2003	23 rd Annual Utility Energy Forum Tahoe City, CA	Northern California Power Agency
May 12-13, 2003	Distributed Energy Resources for Federal Facilities Los Angeles, CA	Department of Energy
May 20-22, 2003	Eleventh National Conference on Building Commissioning Palm Springs, CA	PECI
May 29-31, 2003	The Sustainability Forum Portland, OR	Oregon Forest Resources Institute, Environmental Protection Agency and many others
June 1-4, 2003	2003 EEI Annual Convention/Expo Honolulu, Hawaii	Edison Electric Institute & Canadian Electricity Assoc
September 17-18, 2003	West Coast Energy Management Conference San Diego, CA	Southern California Gas Company and Sempra Energy Utilities
October 12-15, 2003	Greening of Industry Network Conference: Innovating for Sustainability San Francisco, California	The Greening of Industry Network, the Environmental Protection Agency and Environment Canada
October 30, 2003	Sixth Annual Washington State Plant and Engineering and Maintenance Show Seattle, WA	Pro Shows

[Back to Table of Contents](#)